

## [54] PRODUCT DENSITY CONTROL APPARATUS

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[58] Field of Search 134/34; 261/64 R; 366/151, 160, 142, 162, 3, 10, 13, 101

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## [57] ABSTRACT

Apparatus comprising a continuous mixer adapted to receive dry and wet ingredients and a gas to provide a homogeneous output mix, a gamma ray density detector positioned to sense the density of the output mix from the mixer, valve means for controlling the flow of gas into the mixer, and servo means responsive to signals from the detector for automatically controlling the valve means to provide an output mix of substantially uniform density.

8 Claims, 3 Drawing Figures

